

YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT

1947 Galileo Court, Suite 103; Davis, CA 95618

Phone (530) 757-3650 Fax (530) 757-3670

FACILITY NUMBER: 05139

SIC CODE: 3086

AUTHORITY TO CONSTRUCT

C-10-65

IS HEREBY GRANTED TO

INSULFOAM LLC

6004 N. Westgate Blvd., Suite 120

Tacoma, WA 98406

EQUIPMENT LOCATION: 1155 Business Park Drive; Dixon, CA

TO CONSTRUCT

PROCESS DESCRIPTION: Structural Insulated Panel (SIP) Manufacturing

EQUIPMENT INVENTORY: Roll Press #1: One roll coater, 3 hp, with a 9' x 32' panel press, 16 hp; Roll Press #2: One Roll Coater, 3 hp, with a 8' x 24' panel press, 8 hp; one slabber, 3 hp; one Hendrick Saw, 8 hp; one Spline Saw, 19 hp; one Octopus, 2 hp; and one Router, 44 hp.

- Total Billing: Schedule 1, 106 HP-

CONTROL EQUIPMENT INVENTORY:

One Donaldson Torit Cyclone, 3000 cfm, serving the Hendrick saw; One Donaldson Torit cyclone, 8250 cfm, serving the fabrication cells, router, and spline saw; one Donaldson Torit baghouse, model DFT3-24, 12000 cfm, serving both cyclones.

PERMITTED EMISSION LIMITS:

Pollutant	Daily [lb]	Qtr #1 (Jan 1-Mar 31) [lb]	Qtr #2 (Apr 1-June 30) [lb]	Qtr #3 (July 1-Sept 30) [lb]	Qtr #4 (Oct 1-Dec 31) [lb]	Yearly [tons]
VOC	6.2	49	49	49	49	0.08
PM ₁₀	1.0	89	90	91	91	0.18

PERMITTED PROCESS LIMITS:

	Daily	Qtr #1 (Jan 1-Mar 31)	Qtr #2 (Apr 1-June 30)	Qtr #3 (July 1-Sept 30)	Qtr #4 (Oct 1-Dec 31)	Yearly
VOC (lbs)	6.2	49	49	49	49	166
Woodworking Operation (hours)	24	2,160	2,184	2,208	2,208	8,760

The following information is included to inform and assist the Permit Holder in achieving compliance with applicable provisions of Federal, State, and District Rules and Regulations. The following set of referenced regulations are not intended to be either comprehensive or exclusive, nor are they intended to be emission limiting permit conditions, but they are still applicable rules of the District. Occasionally laws are amended. The amended versions of the referenced rules shall be deemed to be in effect. **It is the Permit Holder's responsibility to comply with all applicable Rules and Regulations.** Permit holder shall hold harmless and defend the District, its Board members, Hearing Board members, APCO, officers, agents, employees, and representatives from liability for any award, damages, costs, and fees incurred by the District and/or awarded to any plaintiff in an action challenging the validity of this permit or any environmental or other documentation related to approval of this permit.

1. After construction of all listed process and control equipment is complete, as determined by the District, the ATC Holder shall have 45 calendar days to conduct tests and perform other necessary initial adjustments on the equipment. During this time, this Authority to Construct and its conditions shall function as a temporary Permit to Operate. Any operation of the equipment beyond this period without either District receipt of a valid Permit to Operate Notification Card or written extension from the District, will be considered operation without a permit and subject to enforcement action. The ATC Holder shall provide the District, in writing, a notice prior to commencing the 45-day start-up period. [District Rule 3.1, §402]
2. The District requires an inspection of the equipment after completion of the construction and prior to the issuance of the Permit to Operate. [District Rule 3.1, §402]
3. An authorization to construct shall remain in effect only until the application for Permit to Operate is granted or denied; however, such an authorization shall not remain in effect beyond two years from the date of issuance unless the District finds that the time required for construction requires an extension and grants one or more extensions, for a total time not to exceed five years from the date of issuance. [District Rule 3.1, §407]

The following set of conditions are established by the District to provide enforceable operating parameters as authorized by California Health and Safety Code Section 42301 and District Rule 3.1, Section 402. If any of the rules and regulations referenced below are amended subsequent to the issuance date of this permit, resulting in the amended rule differing from or superseding the corresponding condition, then the Permit Holder shall be

required to comply with the amended rule or regulation and shall no longer be required to comply with the superseded condition.

4. The Permit Holder shall not discharge into the atmosphere from any single source of emission whatsoever (except the baghouse), any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
 - a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
 - b. Greater than 20% opacity. [District Rule 2.3]
5. The Permit Holder shall not discharge into the atmosphere from the baghouse, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
 - a. As dark or darker in shade than No. 1/4 on the Ringelmann Chart; or
 - b. Greater than 5% opacity. [District Rule 3.4]
6. The Permit Holder shall not release or discharge into the atmosphere, particulate matter in excess of 0.0004 grains per cubic foot of exhaust volume as calculated at standard conditions. [District Rule 3.4]
7. All control equipment, including ducts, shall be properly maintained and kept in good operating condition, and shall be operated at all times in conjunction with it's associated process. [District Rule 3.4]
8. The Permit Holder shall dispose of all material collected in the control equipment in a manner preventing it's entrainment into the atmosphere. [District Rule 3.4]
9. Organic solvents shall only be used for stripping of cured adhesives. [District Rule 3.4]
10. The maximum VOC content of any sealant (including mastics) used shall not exceed 420 g/L. [District Rule 2.33, Section 301]
11. The maximum VOC content of any adhesive used shall not exceed 120 g/L. [District Rule 2.33, Section 301]
12. Adhesives shall be applied using hand application, roll coat, dip coat, or flow coat. [District Rule 2.33, Section 302]
13. All VOC-containing materials, whether in its form for intended use or as a waste or used product, including items such as cloth or paper laden with VOC containing materials, shall be stored in non-absorbent, non-leaking containers which shall be kept closed at all times, except when filling or emptying, and disposed of in a manner to prevent evaporation of VOCs into the atmosphere at the facility. [District Rule 2.33, Section 304]
14. The Permit Holder shall maintain the following records:
 - a. an itemized list of each material used, including mix ratio;
 - b. VOC content limit and VOC content of each material, as applied;
 - c. monthly purchase, inventory, and usage records;
 - d. an up to date copy of the material safety data sheet for each material. [District Rule 2.33, Section 501]

15. The Permit Holder shall maintain records on a monthly basis that include all VOC-containing materials used, the quantity and mix ratio of each material used, and the corresponding VOC emissions, in accordance with a District approved recordkeeping methodology and format. [District Rule 3.4]
16. The Permit Holder shall maintain a log of the daily operating hours for the woodworking operations. [District Rule 3.4]
17. All required records shall be retained for a minimum of five (5) years and shall be made available for District inspection upon request. [District Rule 3.4]

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, Chapter 3, of the Health & Safety Codes of the State of California or the Rules and Regulations of the Yolo-Solano Air Quality Management District.

Mat Ehrhardt, P.E.
AIR POLLUTION CONTROL OFFICER

By: _____

Date of Issuance: October 18, 2010

KW 10/18/10